CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.15/AP/CSR-7/894a/CEMENT/2015-16 Date: 15.07.2015

TEST REPORT ON CEMENT

* CUSTOMER	:	**Asst. Executive Engineer**, T. Dasarahalli Sub Division, BBMP, Bangalore.
*AGENCY	:	**Mr. A. Pradeep,** No.291, 2nd Cross, EWS, K.H.B Colony, 2nd stage, Basaveshwaranagara, Bangalore.
*NAME OF THE WORK	:	Improvements and construction of cc road & drain at officers Model colony Govt. school parallel road & 1st cross road in Dasarhalli Ward No.15, BBMP, Bangalore.
*REFERENCE	:	BBMP/DZ./AEE/TDSD/PR/2015-16 Dated: 13.07.2015
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	13.07.2015
PERIOD OF TESTING	:	13.07.2015 to 15.07.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	30.00 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	475 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Civil-Tech Consultants & Engineers Bangalore

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

****

VISHWANATH. I.A.
Chief Executive Officer

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.15/AP/CSR-7/894a/SAND-Gradation/2015-16 : 15.07.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. A. Pradeep,** No.291, 2nd Cross, EWS, K.H.B Colony, 2nd stage, Basaveshwaranagara, Bangalore.
* Name of Work	: Improvements and construction of cc road & drain at officers Model colony Govt. school parallel road & 1st cross road in Dasarhalli Ward No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2015-16 Dated: 13.07.2015
Technical Reference	: IS : 2386 Part 1 - 1963 RA-2007
Sample ID	: Fine Aggregates
Sample Received on	: 13.07.2015
Date of Testing	: 15.07.2015

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	96.02	90-100	90-100	90-100	95-100
2.36	76.22	60-95	75-100	85-100	95-100
1.18	51.02	30-70	55-90	75-100	90-100
600 Micron	26.47	15-34	35-59	60-79	80-100
300 Micron	16.62	5-20	8-30	12-40	15-50
150 Micron	5.73	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

Civil-Tech Consultants & Engineers Bangalore

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

****

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು.

VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.15/AP/CSR-7/894a/AGG/GR/2015-16 : 15.07.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. A. Pradeep,** No.291, 2nd Cross, EWS, K.H.B Colony, 2nd stage, Basaveshwaranagara, Bangalore.
* Name of Work	: Improvements and construction of cc road & drain at officers Model colony Govt. school parallel road & 1st cross road in Dasarhalli Ward No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2015-16 Dated: 13.07.2015
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (40mm)
Sample Received on	: 13.07.2015
Date of Testing	: 15.07.2015

Total Wt. of Aggregates in gms= **10000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	98.00	95-100	85-100
20	42.20	30-70	0-20
10	17.20	10-35	0-5
4.75	1.95	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

****

VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.15/AP/CSR-7/894a/CC Solid Block/2015-16 : 18.07.2015

TEST REPORT ON SOLID CONCRETE BLOCKS

* Customer	: **Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	: **Mr. A. Pradeep,** No.291, 2nd Cross, EWS, K.H.B Colony, 2nd stage, Basaveshwaranagara, Bangalore.
* Name of the Work	: Improvements and construction of cc road & drain at officers Model colony Govt. school parallel road & 1st cross road in Dasarhalli Ward No.15, BBMP, Bangalore.
Reference	: BBMP/DZ/AEE/TDSD/PR/2015-16 Dated: 13.07.2015
Sample Received on	: 13.07.2015
Date of Testing	: 18.07.2015
Size of Blocks	: 400mm x 200mm x 200mm
Cross Sectional Area	: 80000 mm^2
Technical Reference	: IS: 2185 (Part 1) - 2005
No. of Blocks Tested	: 08

Sl.No.	Block ID	Wt. in Kg	Failure load (KN)	Compressive strength (N/mm^2)	Requirement as per IS 2185 (Part 1) - 2005
1	Block 1	34.26	256.9	3.21	Minimum required Compressive Strength of Individual Units 3.20 N/mm^2
2	Block 2	35.28	260.5	3.26	
3	Block 3	36.95	261.5	3.27	
4	Block 4	35.54	263.1	3.29	
5	Block 5	36.25	262.4	3.28	
6	Block 6	34.85	263.5	3.29	
7	Block 7	36.21	259.8	3.25	
8	Block 8	35.98	258.4	3.23	

*Information is furnished by the Customer/Representative.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

****

VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No: CTCE/BBMP/W.No.15/AP/CSR-7/894a/Pre Cast Slab/2015-16

05.08.2015

TEST REPORT ON CONCRETE CORE (PRE CAST SLAB)

* Name of Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Name of Agency	:	**Mr. A. Pradeep,** No.291, 2nd Cross, EWS, KHB Colony, 2nd stage, Basaveshwaranagara, Bangalore.
* Name of work	:	Improvements and construction of cc road & drain at officers Model colony Govt. school parallel road & 1st cross road in Dasarhalli Ward No.15, BBMP, Bangalore.
Reference	:	BBMP/DZ./AEE/TDSD/PR/2015-16 Dated: 13.07.2015
Technical Reference	:	IS:516-1959 (Reaffirmed 2008), SP-24:1983.
Sample ID	:	Pre cast slab
Sample Received on	:	03.08.2015
Date of Testing	:	05.08.2015

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.406	2521.64	1.64	0.965	32.50	16.55	17.88	17.25	21.56
2	50.00	83.00	0.415	2546.48	1.66	0.970	33.30	16.96	18.32	17.77	22.21
3	50.00	80.00	0.395	2514.65	1.60	0.960	32.10	16.35	17.66	16.95	21.19

* Information is furnished by the Customer/Representative

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

****

VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.
Tele Fax : 23223227, Website : www.civiltechconsultants.com
E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

Scanned by CamScanner

Improvements & construction of CC Road & Drain @ Officers Hostel Colony Govt School Parallel Road & 1st cross Road Basavahalli ward NO:-15

ಎಇಇ

ASSISTANT EXECUTIVE ENGINEER

Scanned by CamScanner

Providing roads @ Vishwaleswaraiah layout in ward No: 174
Bagalagunte

ASSISTANT EXECUTIVE ENGINEER
B B M P Dasarahalli, Sub Division
Bagalagunte, Bangalore-73.

Scanned by CamScanner

Improvements & construction of CC Road & Drain @ Officers Model Colony Govt. School Parallel Road & 1st cross Road Dasarahalli ward No:-15

ASSISTANT EXECUTIVE ENGINEER
B B M P Dasarahalli Sub Division
Bagalagunte, Bangalore-73.

Scanned by CamScanner